

Ceiling

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Model				AM056FNCDEH***	AM071FNCDEH***	
Power Supply		Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode*1)				HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling*2)	kW	5.6	7.1	
			Btu/h	19,100	24,200	
		Heating*3)	kW	6.3	8.0	
			Btu/h	21,500	27,300	
Power	Power Input (Nominal)	Cooling*2)	W	72	80	
		Heating*3)	W	72	77	
	Current Input (Nominal)	Cooling*2)	A	0.33	0.35	
		Heating*3)	A	0.28	0.29	
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	
		Output	W	60	120	
		Number of unit	EA	1	1	
	Air Flow Rate	H/M/L (UL)	CMM	14.00/13.00/12.00		18.00/16.50/15.00
			l/s	233.33/216.67/200.00		300.00/275.00/250.00
	External Pressure	Min / Std / Max	mmAq	-		-
			Pa	-		-
			WG	-		-
Option Code				013054-105000-203838-330010	013054-105000-204747-330010	
Piping Connections	Liquid Pipe	Ø, mm	6.35		9.52	
		Ø, inch	1/4		3/8	
	Gas Pipe	Ø, mm	12.70		15.88	
		Ø, inch	1/2		5/8	
Drain Pipe		Ø, mm	ID 18 HOSE		ID 18 HOSE	
Field Wiring	Power Source Wire	Below 20m / over 20m	mm ²	1.5 / 2.5		1.5 / 2.5
	Transmission Cable		mm ²	0.75-1.5		0.75-1.5
Refrigerant	Type	-	R410A		R410A	
	Control Method	-	EEV NOT INCLUDED		EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low*4)	dBA	40 / 37 / 34		44 / 42 / 40
Dimensions	Net Weight		kg	21.00		21.00
	Shipping Weight		kg	25.50		25.50
	Net Dimensions (WxHxD)		mm	1000 x 650 x 200		1000 x 650 x 200
	Shipping Dimensions (WxHxD)		mm	1080 x 730 x 300		1080 x 730 x 300
Panel Size	Panel model		-	-		-
	Panel Net Weight		kg	-		-
	Shipping Weight		kg	-		-
	Net Dimensions (WxHxD)		mm	-		-
	Shipping Dimensions (WxHxD)		mm	-		-
Additional Accessories	Drain pump	Drain pump	- / Model	-		-
		Max. lifting Height / Displacement	mm/liter/h	-		-
	Air Filter		-	Long life filter		Long life filter

* Specifications may be subject to change without prior notice for product improvement.

*1) Mode

- HP : Heat Pump, HR : Heat Recovery

*2) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*3) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

*4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

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1) Cooling

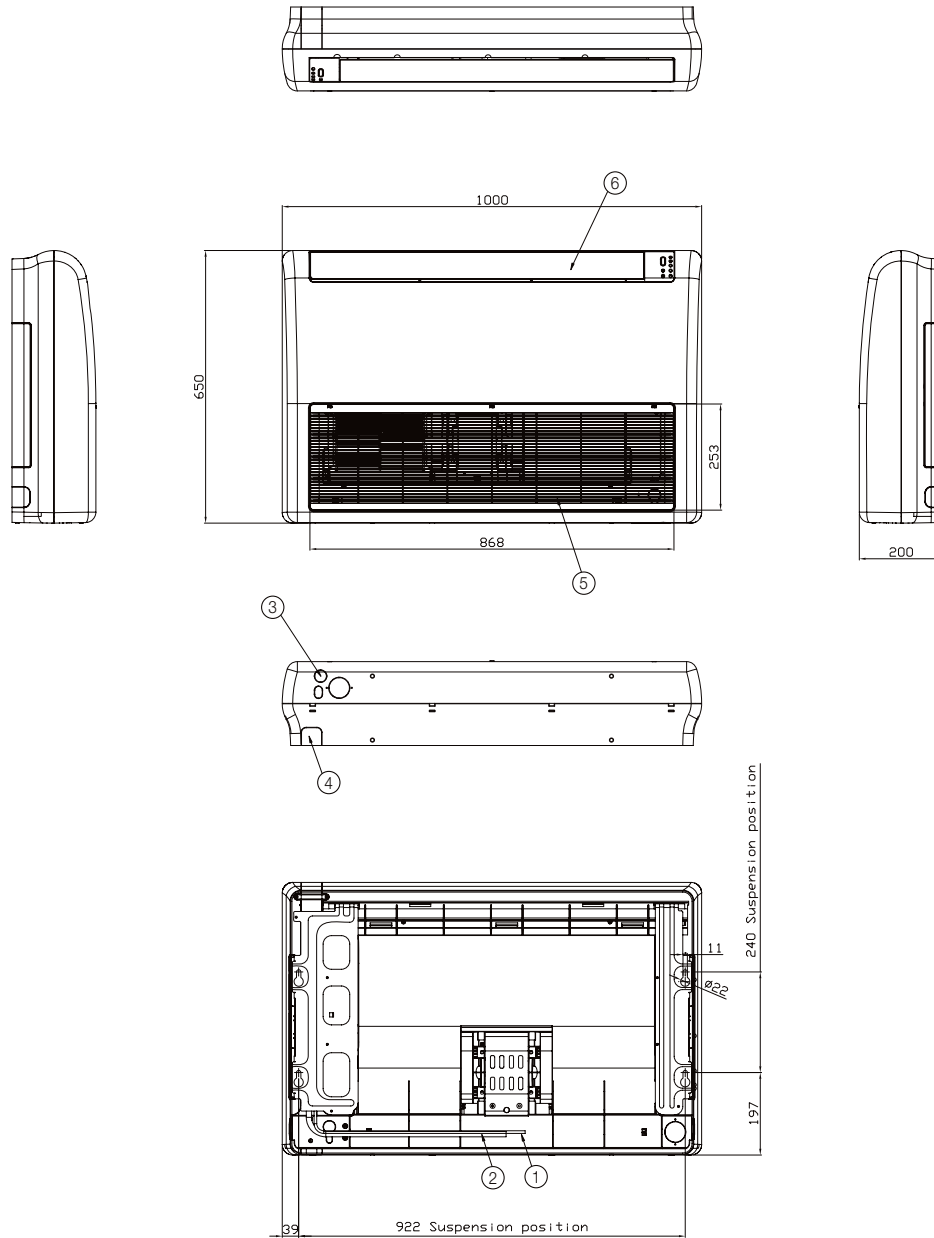
TC : Total Capacity(kW), SHC : Sensible Heat Capacity(kW)

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		20 (°C, DB)		23 (°C, DB)		26 (°C, DB)		27 (°C, DB)		28 (°C, DB)		30 (°C, DB)		32 (°C, DB)	
		14 (°C, WB)		16 (°C, WB)		18 (°C, WB)		19 (°C, WB)		20 (°C, WB)		22 (°C, WB)		24 (°C, WB)	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
056	10	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	12	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.3	3.8	6.7	3.7
	14	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.7	3.7
	16	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	18	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	20	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	21	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	23	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	25	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	27	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	29	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	31	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	33	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
	35	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.2	3.8	6.6	3.6
37	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.5	
39	3.9	3.2	4.6	3.5	5.3	3.7	5.6	3.8	5.8	3.8	6.1	3.7	6.4	3.4	
071	10	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	8.0	4.9	8.5	4.7
	12	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.5	4.7
	14	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.5	4.7
	16	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	18	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	20	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	21	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	23	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	25	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	27	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	29	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	31	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	33	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
	35	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.4	4.9	7.9	4.8	8.4	4.6
37	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.3	4.8	7.8	4.7	8.2	4.5	
39	4.9	4.0	5.8	4.4	6.7	4.8	7.1	4.9	7.3	4.8	7.7	4.6	8.1	4.4	

2) Heating

TC : Total Capacity(kW)

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16.0		18.0		20.0		22.0		24.0	
			TC	kW	TC	kW	TC	kW	TC	kW	TC	kW
056	-20	-21	3.9		3.8		3.8		3.7		3.7	
	-17	-18	4.0		4.0		3.9		3.8		3.8	
	-15	-16	4.2		4.1		4.0		3.9		3.8	
	-12	-13	4.4		4.3		4.2		4.2		4.1	
	-10	-11	4.6		4.6		4.5		4.4		4.4	
	-7	-8	4.9		4.8		4.8		4.7		4.5	
	-5	-6	5.2		5.1		5.0		4.9		4.7	
	-3	-4	5.4		5.3		5.3		5.1		4.9	
	0	-1	5.7		5.6		5.5		5.3		5.0	
	3	2.2	5.9		5.9		5.8		5.6		5.3	
	5	4.1	6.2		6.1		6.0		5.7		5.3	
	7	6	6.5		6.4		6.3		5.8		5.3	
	9	7.9	6.7		6.5		6.3		5.8		5.3	
	11	9.8	6.9		6.6		6.3		5.8		5.3	
	13	12	7.1		6.7		6.3		5.8		5.3	
15	14	7.3		6.8		6.3		5.8		5.3		
071	-20	-21	4.9		4.9		4.8		4.7		4.7	
	-17	-18	5.1		5.0		4.9		4.8		4.8	
	-15	-16	5.3		5.2		5.1		4.9		4.8	
	-12	-13	5.6		5.5		5.4		5.3		5.2	
	-10	-11	5.9		5.8		5.7		5.6		5.6	
	-7	-8	6.2		6.1		6.0		5.9		5.8	
	-5	-6	6.5		6.5		6.4		6.2		6.0	
	-3	-4	6.9		6.8		6.7		6.4		6.2	
	0	-1	7.2		7.1		7.0		6.7		6.4	
	3	2.2	7.6		7.5		7.3		7.1		6.8	
	5	4.1	7.9		7.8		7.7		7.2		6.8	
	7	6	8.2		8.1		8.0		7.4		6.8	
	9	7.9	8.5		8.2		8.0		7.4		6.8	
	11	9.8	8.7		8.4		8.0		7.4		6.8	
	13	12	9.0		8.5		8.0		7.4		6.8	
15	14	9.2		8.6		8.0		7.4		6.8		

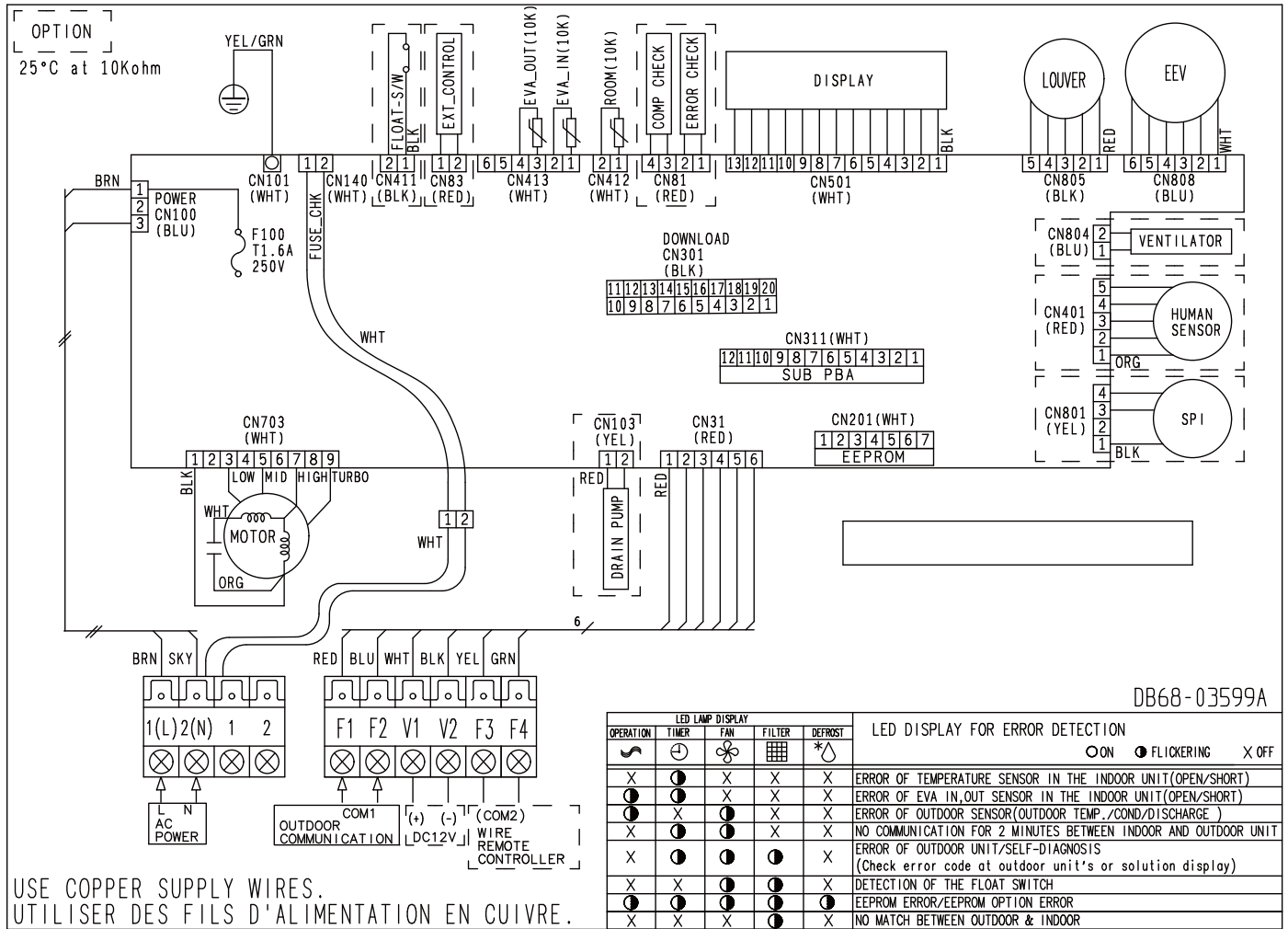


No.	Name	Description	
		5.6kW	7.1kW
①	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
②	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
③	Drain pipe connection	ID18 Hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

4 Electrical Wiring Diagram

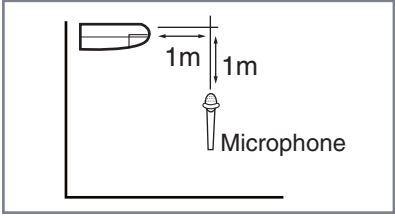
Ceiling

AM056/071FNCDEH/EU



NOTE

1. This wiring diagram applies only to the indoor unit.
2. Symbols show as follow;
BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remotecontroller transmission F3-F4.
4. : Protective earth(screw), : Connector, n : The wire quantity



Unit : dB(A)

Model	High	Low
AM056FNCDEH***	40	34
AM071FNCDEH***	44	40

; Note

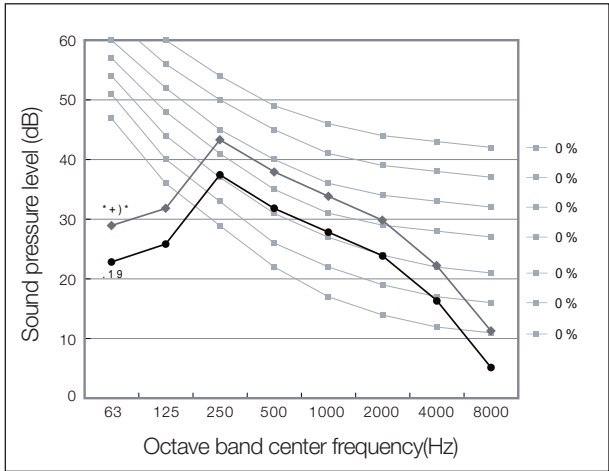
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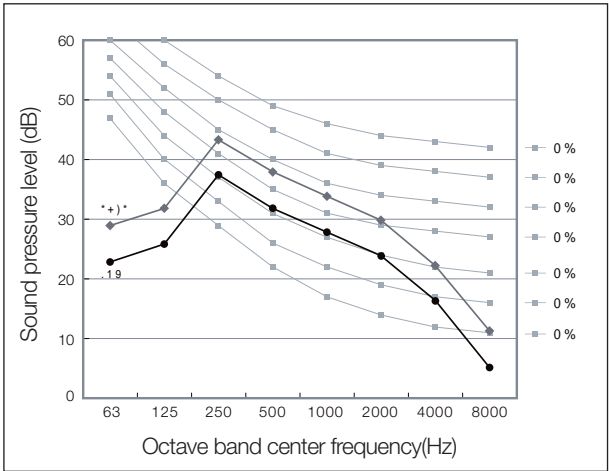
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2) NC curves

(1) AM056FNCDEH***



(2) AM071FNCDEH***



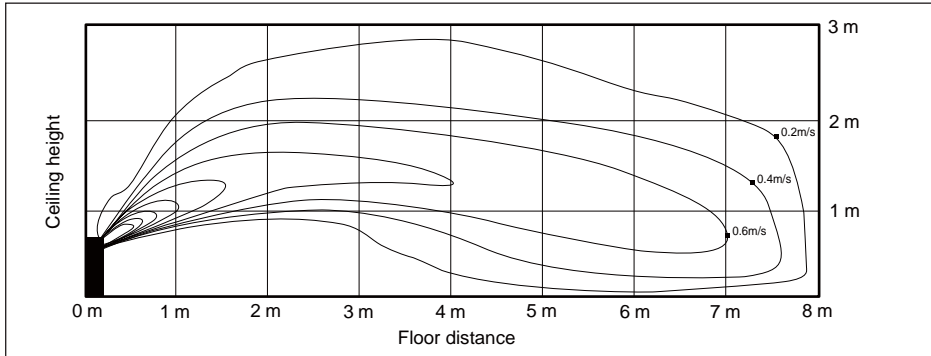
6 Temperature and air flow distribution

Ceiling

AM071FNCDEH/EU (Floor installation)

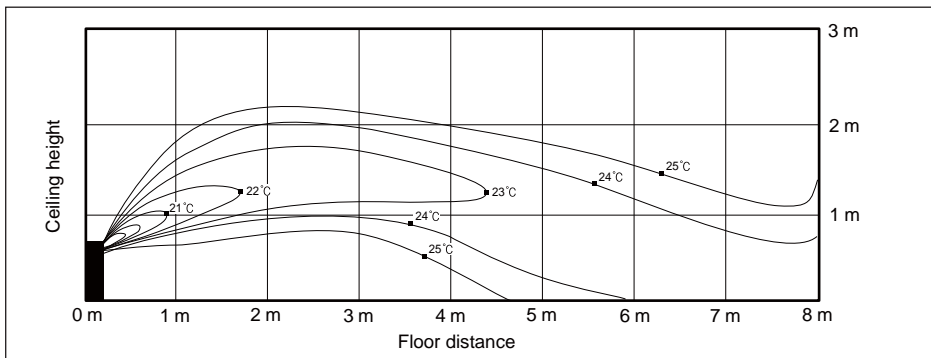
(1) Cooling air velocity distribution

Discharge angle : 36°



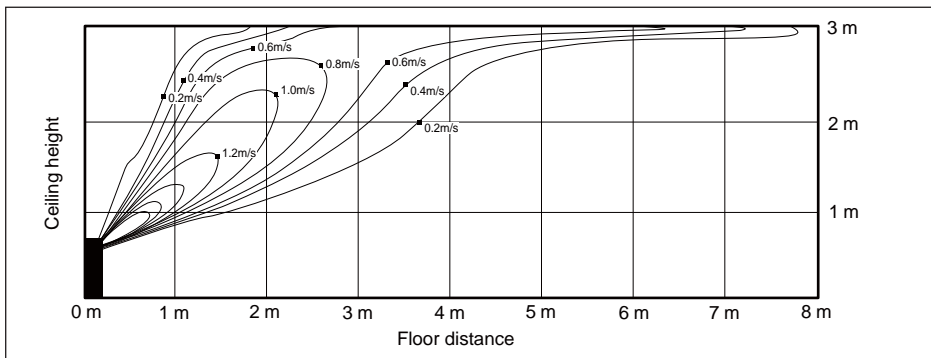
(2) Cooling temperature distribution

Discharge angle : 36°



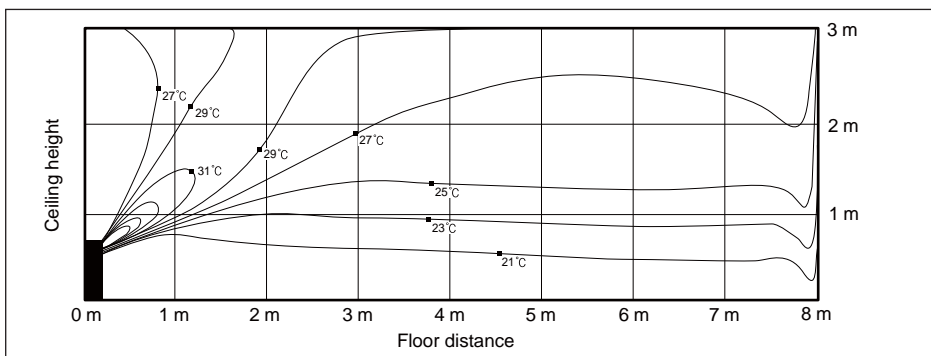
(3) Heating air velocity distribution

Discharge angle : 54°



(4) Heating temperature distribution

Discharge angle : 54°



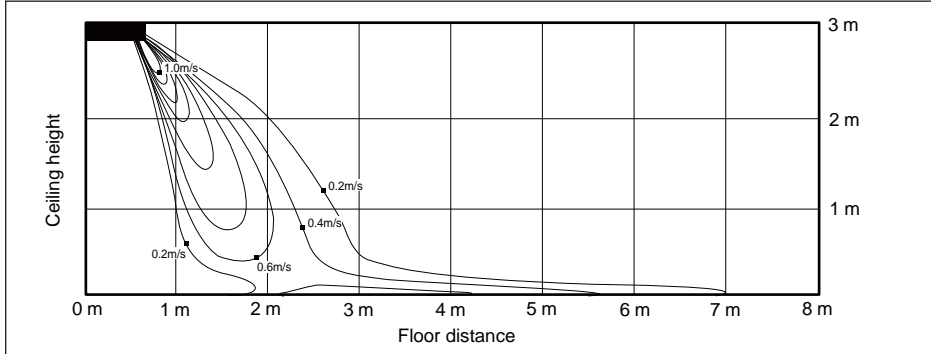
6 Temperature and air flow distribution

Ceiling

AM071FNCDEH/EU (Ceiling installation)

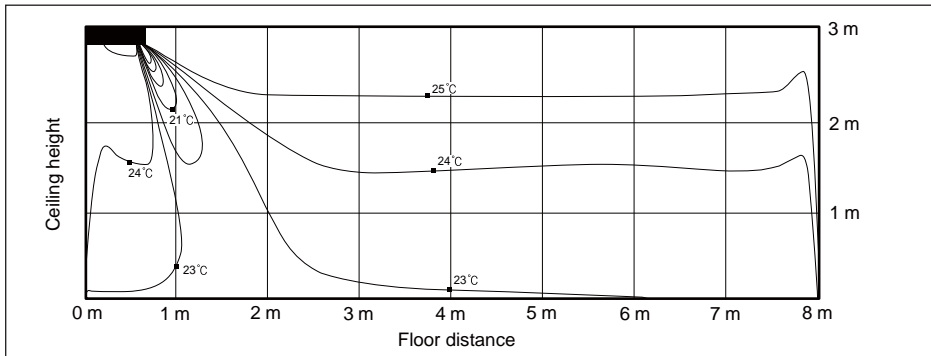
(1) Cooling air velocity distribution

Discharge angle : 36°



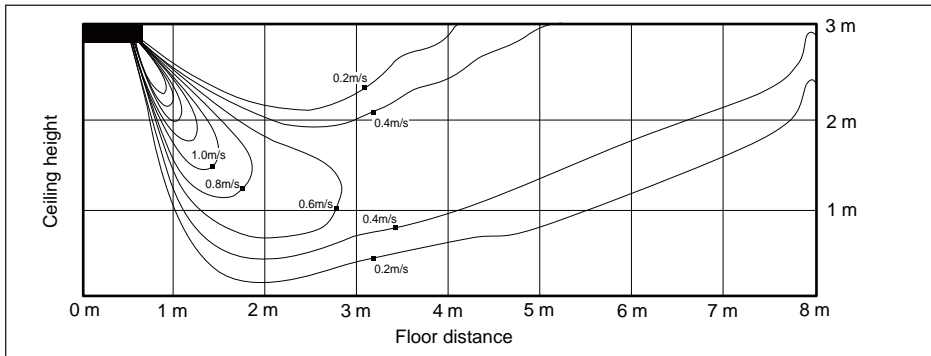
(2) Cooling temperature distribution

Discharge angle : 36°



(3) Heating air velocity distribution

Discharge angle : 54°



(4) Heating temperature distribution

Discharge angle : 54°

